EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	43	(suction vacuum mounting) near2 (head nozzle) with (adapt?r coupl$3 connector holder chuck) near3 (head nozzle) and (head nozzle) with (exchang $3 replac$3) and ((pick near2 place) mounting) near3 (machine apparatus device) and filter	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/07 17:20
S1	151	johannes with van.in. and nozzle	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/02 14:16
S2	20	johannes with van.in. and nozzle and holder	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/02 14:17
S3	1	"5831504".pn.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/02 14:31
S4	5	(suction vacuum) near2 nozzle and holder near3 nozzle same pick near2 place	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/02 14:34
S5	3	(suction vacuum) near2 nozzle and holder near3 nozzle same replac$3 and pick near2 place	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/02 14:35
S6	3	(suction vacuum) near2 nozzle and (coupler holder) near3 nozzle same replac$3 and pick near2 place	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/02 14:36

| S7 | 108 | ("5988449" "6164959" "4317545" "4325356" "4334512" "4383572" "4434350" "5203049" "20060150404" "4417540" "4907744" "4295821" "4580967" "4821363" "3687222" "4058260" "4140892" "4146020" "4340163" "4405178" "4432004" "4455839" "4610388" "4841724" "4846716" "4895413" "4899418" "4957706" "4988267" "5005252" "5009637" "5015170" "5067419" "5196034" "5231744" "5341640" "5411065" "5460330" "5562253" "5598954" "5628464" "5670075" "5683039" "5686149" "5860223" "5883648" "5929877" "5956939" "5970572" "5980103" "6176749" "6383294" "6708590" "6712595" "6883829" "7172413" "7204688" "20020061343" "20020127067" "20020139874" "20040038167" "20040161720" "20050029179" "20050116068" "20050247181" "20060156973" "20060255066" "20070097173" "20070261634" "4290466" "4346846" "5275763" "5462199" "5950602" "5966146" "3638864" "3805329" "4092000" "4252260" "4254995" "4275825" "4280735" "4313596" "4324754" "4347980" "4355740" "4356362" | US-PGPUB; USPAT; EPO; JPO | OR | ON | 2008/05/02 14:38 |

		"4356978" "4362051" "4367868" "4377378" "4395227" "4399018" "4404929" "4416612" "4428228" "4437610" "4467175" "4487836" "4498362").pn.				
S8	122	(suction vacuum mounting) near2 nozzle and (coupl$3 connector holder) near3 nozzle and nozzle with (exchang $3 replac$3) and ((pick near2 place) mounting) near3 (machine apparatus device)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/02 14:46
S9	2881	(suction vacuum mounting) near2 nozzle and (coupl$3 connector holder) near3 nozzle and (holder coupler connector) wiht magnet$2 and nozzle with (exchang$3 replac$3) and ((pick near2 place) mounting) near3 (machine apparatus device)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/02 15:05
S10	218	S9 and "29"/$.ccls.	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/02 15:38
S11	3	("5446323" | "6211591").PN. OR ("6851914").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/02 16:02

S12	12	("2690529" | "3675166" | "3848216" | "4470030" | "5270625" | "5285946" | "5422554" | "5434549" | "5497135" | "5546063" | "5644279").PN. OR ("5831504").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/02 16:05
S13	3	(suction vacuum mounting) near2 nozzle same (adapter coupl$3 connector holder) near3 nozzle and (holder coupler connector adapter) with magnet$2 and nozzle with (exchang $3 replac$3) and ((pick near2 place) mounting) near3 (machine apparatus device) and align$4 with (groove ball)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/06 18:29
S14	3	(suction vacuum mounting) near2 nozzle same (adapt?r coupl$3 connector holder chuck) near3 nozzle and (holder coupler connector adapt?r chuck) with (electromagnet magnet$2) and nozzle with (exchang $3 replac$3) and ((pick near2 place) mounting) near3 (machine apparatus device) and align$4 with (groove ball)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/06 18:54

S15	6	(suction vacuum mounting) near2 nozzle same (adapter coupl$3 connector holder chuck) near3 nozzle and nozzle with (id identification mark lable) and nozzle with (exchang $3 replac$3) and ((pick near2 place) mounting) near3 (machine apparatus device) and align$4 with (groove ball)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/06 18:59
S16	12	(suction vacuum mounting) near2 nozzle same (adapter coupl$3 connector holder chuck) near3 nozzle and nozzle near5 (id identification indicat $3 name) and nozzle with (exchang$3 replac$3) and ((pick near2 place) mounting) near3 (machine apparatus device) and align$4 with (groove ball)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/06 19:03
S17	1	(suction vacuum mounting) near2 nozzle same (adapter coupl$3 connector holder chuck) near3 nozzle and nozzle near3 (id identity indentify$3 identification name) and nozzle with (exchang$3 replac$3) and ((pick near2 place) mounting) near3 (machine apparatus device) and align$4 with (groove ball)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/06 19:10

S19	3	(suction vacuum mounting) near2 nozzle with (detach$4 insert$4) with (adapt?r coupl$3 connector holder chuck) near3 nozzle and nozzle with (exchang$3 replac$3) and ((pick near2 place) mounting) near3 (machine apparatus device) and align$4 with (groove ball)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/07 11:24
S20	16	(suction vacuum mounting) near2 nozzle with (adapt?r coupl$3 connector holder chuck) near3 nozzle and nozzle with (exchang$3 replac$3) and ((pick near2 place) mounting) near3 (machine apparatus device) and align$4 with (groove ball)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/07 11:25
S21	91	(suction vacuum mounting) near2 nozzle with (adapt?r coupl$3 connector holder chuck) near3 nozzle and nozzle with (exchang$3 replac$3) and ((pick near2 place) mounting) near3 (machine apparatus device)	US-PGPUB; USPAT; EPO; JPO	OR	ON	2008/05/07 11:27
S22	11	("4790069" | "5003692" | "5018266" | "5105528" | "5331831" | "5619328" | "5741114" | "5749142").PN. OR ("5996203").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2008/05/07 11:35

| S23 | 4 | ("5207467" \| "5636435" \| "5833591" \| "5996203").PN. OR ("6735856").URPN. | US-PGPUB; USPAT; USOCR | OR | | ON | 2008/05/07 11:36 |
| S24 | 105 | (suction vacuum mounting) near2 (head nozzle) with (adapt?r coupl$3 connector holder chuck) near3 (head nozzle) and (head nozzle) with (exchang $3 replac$3) and ((pick near2 place) mounting) near3 (machine apparatus device) not S21 | US-PGPUB; USPAT; EPO; JPO | OR | | ON | 2008/05/07 11:40 |

5/7/08 6:21:25 PM
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\ 10563575 MC Nozzle.wsp